

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 24, 2005, 07:27:43 ; Search time 20.1818 Seconds  
(without alignments)  
22.193 Million cell updates/sec

Title: us-09-856-050-19\_copy\_24\_29

Perfect score: 31  
Sequence: 1 LVHGKL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/iaa/backfiles.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	100.0	159	4	US-09-713-273A-6
2	31	100.0	391	4	US-09-328-352-4861
3	30	96.8	220	4	US-09-541-759-4
4	30	96.8	599	4	US-09-248-796A-19578
5	29	93.5	115	4	US-09-248-796A-15885
6	29	93.5	348	4	US-09-248-796A-18529
7	29	93.5	684	4	US-09-328-352-6053
8	29	93.5	1005	4	US-09-328-352-4877
9	28	90.3	291	4	US-09-902-540-15646
10	28	90.3	311	1	US-08-872-784-1
11	28	90.3	311	2	US-09-100-851-1
12	28	90.3	311	3	US-09-265-294-1
13	28	90.3	554	4	US-09-198-452A-1137
14	28	90.3	559	4	US-09-438-185A-1063
15	28	90.3	600	4	US-09-543-681A-6004
16	28	90.3	727	4	US-09-540-236-2963
17	28	90.3	860	1	US-08-117-362-3
18	28	90.3	860	1	US-08-486-924-3
19	28	90.3	860	4	US-08-486-929A-3
20	27	87.1	103	4	US-09-513-999C-5327
21	27	87.1	132	4	US-09-270-767-37188
22	27	87.1	132	4	US-09-270-767-52405
23	27	87.1	154	4	US-09-270-767-36396
24	27	87.1	154	4	US-09-270-767-51613
25	27	87.1	158	4	US-09-270-767-33522
26	27	87.1	177	4	US-08-469-260A-53
27	27	87.1	177	4	US-08-488-446-53

28	27	87.1	177	4	US-08-467-344A-53	Sequence 53, Appl
29	27	87.1	177	4	US-08-424-550B-53	Sequence 53, Appl
30	27	87.1	191	4	US-09-949-016-7105	Sequence 7105, Ap
31	27	87.1	225	4	US-09-252-991A-26831	Sequence 26831, A
32	27	87.1	243	4	US-09-134-000C-3753	Sequence 3753, Ap
33	27	87.1	246	4	US-09-270-767-46038	Sequence 46038, A
34	27	87.1	303	4	US-09-134-000C-4318	Sequence 4318, Ap
35	27	87.1	334	6	5290690-10	Patent No. 5290690
36	27	87.1	334	6	5290690-10	Patent No. 5290690
37	27	87.1	335	6	5290690-9	Patent No. 5290690
38	27	87.1	335	6	5290690-9	Patent No. 5290690
39	27	87.1	343	4	US-09-270-767-57215	Sequence 57215, A
40	27	87.1	347	3	US-08-857-076-100	Sequence 100, App
41	27	87.1	353	4	US-09-949-016-7210	Sequence 7210, Ap
42	27	87.1	363	3	US-09-046-086-2	Sequence 2, Appl
43	27	87.1	363	4	US-09-524-643-2	Sequence 2, Appl
44	27	87.1	556	3	US-08-687-590-24	Sequence 24, Appl
45	27	87.1	580	4	US-09-270-767-41962	Sequence 41962, A

#### ALIGNMENTS

##### RESULT 1

US-09-713-273A-6  
; Sequence 6, Application US/09713273A  
; Patent No. 6620987  
; GENERAL INFORMATION:  
; APPLICANT: Allen, Steve  
; APPLICANT: Butler, Karla  
; TITLE OF INVENTION: STARCH R1 PHOSPHORYLATION PROTEINS  
; FILE REFERENCE: B81158 US CIP  
; CURRENT APPLICATION NUMBER: US/09/713,273A  
; CURRENT FILING DATE: 2000-11-15  
; PRIOR APPLICATION NUMBER: 60/081,143  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: PCT/US99/07639  
; PRIOR FILING DATE: 1999-04-08  
; PRIOR APPLICATION NUMBER: 09/679,933  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 6  
; LENGTH: 159  
; TYPE: PRT  
; ORGANISM: Brachycthecium oxyclocladon  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (110)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (134)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (137)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (149)...(150)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (155)  
; OTHER INFORMATION: Xaa = any amino acid  
; US-09-713-273A-6

Query Match 100.0%; Score 31; DB 4; Length 159;  
Best Local Similarity 100.0%; Pred. No. 27;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6

Db 138 LVHGKL 143  
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## RESULT 2

US-09-328-352-4861  
; Sequence 4861, Application US/09328352  
; Patent No. 6562958  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC99-03FA  
; CURRENT APPLICATION NUMBER: US/09/328,352  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 4861  
; LENGTH: 391  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
US-09-328-352-4861

Query Match 100.0%; Score 31; DB 4; Length 391;  
Best Local Similarity 100.0%; Pred. No. 67;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|||||

Db 67 LVHGKL 72  
|||||

## RESULT 3

US-09-541-759-4  
; Sequence 4, Application US/09541759  
; Patent No. 6723322  
; GENERAL INFORMATION:  
; APPLICANT: Lustigman, Sara  
; APPLICANT: Pearlman, Eric  
; APPLICANT: Unnasch, Thomas  
; TITLE OF INVENTION: ANGIOGENIC ONCHOCERCA VOLVULUS PROTEINS AND USES THEREOF  
; FILE REFERENCE: 63475/252  
; CURRENT APPLICATION NUMBER: US/09/541,759  
; CURRENT FILING DATE: 2000-04-03  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4  
; LENGTH: 220  
; TYPE: PRT  
; ORGANISM: Brugia malayi  
US-09-541-759-4

Query Match 96.8%; Score 30; DB 4; Length 220;  
Best Local Similarity 83.3%; Pred. No. 62;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
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Db 43 LVHGKL 48  
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## RESULT 4

US-09-248-796A-19578  
; Sequence 19578, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstein et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 19578  
; LENGTH: 599  
; TYPE: PRT  
; ORGANISM: Candida albicans  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (145), (584)  
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknown  
US-09-248-796A-19578

Query Match 96.8%; Score 30; DB 4; Length 599;  
Best Local Similarity 83.3%; Pred. No. 1.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|||||

Db 586 LVHGKL 591  
|||||

## RESULT 5

US-09-248-796A-15885  
; Sequence 15885, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstein et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 15885  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Candida albicans  
US-09-248-796A-15885

Query Match 93.5%; Score 29; DB 4; Length 115;  
Best Local Similarity 83.3%; Pred. No. 53;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|||||

Db 45 LVHGKL 50  
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## RESULT 6

US-09-248-796A-18529  
; Sequence 18529, Application US/09248796A  
; Patent No. 6747137  
; GENERAL INFORMATION:  
; APPLICANT: Keith Weinstein et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS  
; FILE REFERENCE: 107196.132  
; CURRENT APPLICATION NUMBER: US/09/248,796A  
; CURRENT FILING DATE: 1999-02-12  
; PRIOR APPLICATION NUMBER: US 60/074,725  
; PRIOR FILING DATE: 1998-02-13  
; PRIOR APPLICATION NUMBER: US 60/096,409  
; PRIOR FILING DATE: 1998-08-13  
; NUMBER OF SEQ ID NOS: 28208  
; SEQ ID NO 18529  
; LENGTH: 248  
; TYPE: PRT  
; ORGANISM: Candida albicans

US-09-248-796A-18529

Query Match 93.5%; Score 29; DB 4; Length 348;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6

Db 100 IVHGKL 105

RESULT 7

US-09-328-352-6053

; Sequence 6053, Application US/09328352

; Patent No. 6562958

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC99-03PA

; CURRENT APPLICATION NUMBER: US/09/328.352

; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO 6053

; LENGTH: 684

; TYPE: PRT

; ORGANISM: Acinetobacter baumannii

US-09-328-352-6053

Query Match 93.5%; Score 29; DB 4; Length 684;  
Best Local Similarity 83.3%; Pred. No. 3.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6

Db 513 LVHGKL 518

RESULT 8

US-09-328-352-4877

; Sequence 4877, Application US/09328352

; Patent No. 6562958

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC99-03PA

; CURRENT APPLICATION NUMBER: US/09/328.352

; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO 4877

; LENGTH: 1005

; TYPE: PRT

; ORGANISM: Acinetobacter baumannii

US-09-328-352-4877

Query Match 93.5%; Score 29; DB 4; Length 1005;  
Best Local Similarity 83.3%; Pred. No. 4.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6

Db 568 MVHGKL 573

RESULT 9

US-09-902-540-15646

; Sequence 15646, Application US/09902540

; Patent No. 6833447

; GENERAL INFORMATION:

; APPLICANT: Goldman, Barry S.

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

Query Match 90.3%; Score 28; DB 1; Length 311;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 278 LVHGRL 283

RESULT 11  
US-09-100-851-1  
; Sequence 1, Application US/09100851  
; Patent No. 5911984  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Shah, Purvi  
; APPLICANT: Corley, Neil C.  
; TITLE OF INVENTION: HUMAN PEROXISOMAL THIOESTERASE

; CORRESPONDENCE ADDRESS:  
; ADDRESS: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/100.851  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/872,784  
; FILING DATE:

; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0293 US

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-845-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: BRAINOT09  
; CLONE: 2150905

US-09-100-851-1  
Query Match 90.3%; Score 28; DB 2; Length 311;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 278 LVHGRL 283

RESULT 12  
US-09-265-294-1  
; Sequence 1, Application US/09265294  
; Patent No. 6210890  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Shah, Purvi  
; APPLICANT: Corley, Neil C.  
; TITLE OF INVENTION: HUMAN PEROXISOMAL THIOESTERASE

; CORRESPONDENCE ADDRESS:  
; ADDRESS: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/100.851  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/872,784  
; FILING DATE:

; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0293 US

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-845-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: BRAINOT09  
; CLONE: 2150905

US-09-100-851-1  
Query Match 90.3%; Score 28; DB 2; Length 311;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 278 LVHGRL 283

RESULT 13  
US-09-198-452A-1137  
; Sequence 1137, Application US/09198452A  
; Patent No. 6559294  
; GENERAL INFORMATION:  
; APPLICANT: Grifflais, R.  
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection

; FILE OF INVENTION: 9710-003-999  
; FILE REFERENCE: 9710-003-999  
; CURRENT APPLICATION NUMBER: US/09/198,452A  
; CURRENT FILING DATE: 1998-11-24  
; NUMBER OF SEQ ID NOS: 6849  
; SEQ ID NO 1137  
; LENGTH: 554  
; TYPE: PRT  
; ORGANISM: Chlamydia pneumoniae

US-09-198-452A-1137  
Query Match 90.3%; Score 28; DB 4; Length 554;  
Best Local Similarity 66.7%; Pred. No. 4.2e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 77 LVHGRL 82

; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/265,294  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/100,851  
; FILING DATE:

; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0293 US

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-845-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: BRAINOT09  
; CLONE: 2150905

US-09-265-294-1  
Query Match 90.3%; Score 28; DB 3; Length 311;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 278 LVHGRL 283

RESULT 13  
US-09-198-452A-1137  
; Sequence 1137, Application US/09198452A  
; Patent No. 6559294  
; GENERAL INFORMATION:  
; APPLICANT: Grifflais, R.  
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection

; FILE OF INVENTION: 9710-003-999  
; FILE REFERENCE: 9710-003-999  
; CURRENT APPLICATION NUMBER: US/09/198,452A  
; CURRENT FILING DATE: 1998-11-24  
; NUMBER OF SEQ ID NOS: 6849  
; SEQ ID NO 1137  
; LENGTH: 554  
; TYPE: PRT  
; ORGANISM: Chlamydia pneumoniae

US-09-198-452A-1137  
Query Match 90.3%; Score 28; DB 4; Length 554;  
Best Local Similarity 66.7%; Pred. No. 4.2e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 77 LVHGRL 82

## RESULT 14

US-09-438-185A-1063  
; Sequence 1063, Application US/09438185A  
; Patent No. 6822071  
; GENERAL INFORMATION:  
; APPLICANT: Stephens, Richard  
; APPLICANT: Mitchell, Wayne  
; APPLICANT: Kalman, Sue  
; APPLICANT: Davis, Ronald  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence  
; FILE REFERENCE: 018941-000411US  
; CURRENT APPLICATION NUMBER: US/09/438,185A  
; CURRENT FILING DATE: 2002-03-13  
; PRIOR APPLICATION NUMBER: US 60/108,279  
; PRIOR FILING DATE: 1998-11-12  
; PRIOR APPLICATION NUMBER: US 60/128,606  
; PRIOR FILING DATE: 1999-04-08  
; NUMBER OF SEQ ID NOS: 1074  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1063  
; LENGTH: 559  
; TYPE: PRT  
; ORGANISM: Chlamydia pneumoniae  
; FEATURE:  
; OTHER INFORMATION: CPn1062  
US-09-438-185A-1063

Query Match 90.3%; Score 28; DB 4; Length 559;  
Best Local Similarity 66.7%; Pred. No. 4.3e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
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Db 82 IHHGKL 87

## RESULT 15

US-09-543-681A-6004  
; Sequence 6004, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:  
; APPLICANT: GARY BRETTON  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.1002-001  
; CURRENT APPLICATION NUMBER: US/09/543,681A  
; CURRENT FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 60/128,706  
; PRIOR FILING DATE: 1999-04-09  
; NUMBER OF SEQ ID NOS: 8344  
; SEQ ID NO 6004  
; LENGTH: 600  
; TYPE: PRT  
; ORGANISM: Proteus mirabilis  
US-09-543-681A-6004

Query Match 90.3%; Score 28; DB 4; Length 600;  
Best Local Similarity 66.7%; Pred. No. 4.6e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
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Db 365 IHHGKL 370

Search completed: February 24, 2005, 07:34:52  
Job time : 20.1818 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 24, 2005, 07:32:00 ; Search time 96 Seconds  
(without alignments)  
20.453 Million cell updates/sec

Title: US-09-856-050-19\_COPY\_24\_29  
Perfect score: 31  
Sequence: 1 LVHGKL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1380268 segs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:  
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3: /cgn2\_6/prodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
4: /cgn2\_6/prodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
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11: /cgn2\_6/prodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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13: /cgn2\_6/prodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
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17: /cgn2\_6/prodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/2/pubpaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/prodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/prodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	100.0	60	10	US-09-764-891-3073 Sequence 3073, Ap
2	31	100.0	159	15	US-10-607-095-6 Sequence 6, Appl
3	31	100.0	235	16	US-10-437-963-142376 Sequence 142376,
4	31	100.0	341	15	US-10-282-122A-49640 Sequence 49640, A
5	31	100.0	374	15	US-10-369-493-8425 Sequence 8425, Ap
6	31	100.0	374	15	US-10-369-493-15399 Sequence 15399, A
7	31	100.0	374	15	US-10-369-493-15767 Sequence 15767, A
8	31	100.0	374	15	US-10-369-493-16151 Sequence 16151, A
9	31	100.0	385	15	US-10-282-122A-45263 Sequence 45263, A
10	31	100.0	400	15	US-10-282-122A-51133 Sequence 51133, A
11	31	100.0	1392	16	US-10-437-963-104974 Sequence 104974,
12	30	96.8	363	15	US-10-282-122A-73193 Sequence 73193, A
13	30	96.8	389	9	US-09-815-242-10058 Sequence 10058, A

14	30	96.8	389	9	US-09-815-242-13894 Sequence 13894, A
15	30	96.8	389	15	US-10-369-493-722 Sequence 722, App
16	30	96.8	389	15	US-10-282-122A-56439 Sequence 56439, A
17	30	96.8	389	15	US-10-282-122A-75352 Sequence 75352, A
18	30	96.8	389	15	US-10-282-122A-76307 Sequence 76307, A
19	29	93.5	76	16	US-10-437-963-109951 Sequence 109951,
20	29	93.5	136	16	US-10-767-701-42740 Sequence 42740, A
21	29	93.5	167	16	US-10-437-963-189521 Sequence 189521,
22	29	93.5	237	15	US-10-424-599-161082 Sequence 161082,
23	29	93.5	980	15	US-10-369-493-6336 Sequence 6336, Ap
24	28	90.3	70	16	US-10-437-963-115215 Sequence 115215,
25	28	90.3	81	14	US-10-029-386-23720 Sequence 23720, A
26	28	90.3	89	16	US-10-472-078-10 Sequence 10, Appl
27	28	90.3	92	14	US-10-207-780-97 Sequence 97, Appl
28	28	90.3	94	15	US-10-424-599-278389 Sequence 278389,
29	28	90.3	119	16	US-10-437-963-140919 Sequence 140919,
30	28	90.3	311	9	US-09-766-366-1 Sequence 1, Appl
31	28	90.3	319	15	US-10-334-143-36 Sequence 36, Appl
32	28	90.3	329	15	US-10-282-122A-48633 Sequence 48633, A
33	28	90.3	406	14	US-10-156-761-14349 Sequence 14349, A
34	28	90.3	406	16	US-10-437-963-138638 Sequence 138638,
35	28	90.3	436	16	US-10-437-963-131138 Sequence 131138,
36	28	90.3	554	15	US-10-289-762-1137 Sequence 1137, Ap
37	28	90.3	554	15	US-10-282-122A-54903 Sequence 54903, A
38	28	90.3	728	15	US-10-319-315-25 Sequence 25, Appl
39	28	90.3	729	9	US-09-741-149-4 Sequence 4, Appl
40	28	90.3	729	14	US-10-385-614-4 Sequence 4, Appl
41	28	90.3	729	15	US-10-319-315-14 Sequence 14, Appl
42	28	90.3	729	15	US-10-319-315-28 Sequence 28, Appl
43	28	90.3	730	9	US-09-741-149-2 Sequence 2, Appl
44	28	90.3	730	9	US-09-795-693-5 Sequence 5, Appl
45	28	90.3	730	14	US-10-156-239-5 Sequence 5, Appl

ALIGNMENTS

RESULT 1

US-09-764-891-3073  
; Sequence 3073, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3073  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (4)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (6)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (34)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (50)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; NAME/KEY: SITE  
; LOCATION: (57)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-891-3073

Query Match 100.0%; Score 31; DB 10; Length 60;

Best Local Similarity 100.0%; Pred. No. 51;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 44 LVHGKL 49

## RESULT 2

US-10-607-095-6  
; Sequence 6, Application US/10607095  
; Publication No. US20040018541A1  
; GENERAL INFORMATION:  
; APPLICANT: Allen, Steve  
; APPLICANT: Butler, Karla  
; TITLE OF INVENTION: STARCH R1 PHOSPHORYLATION PROTEINS  
; FILE REFERENCE: BE1158 US CIP  
; CURRENT APPLICATION NUMBER: US/10/607,095  
; CURRENT FILING DATE: 2003-06-26  
; PRIOR APPLICATION NUMBER: US/09/713,273A  
; PRIOR FILING DATE: 2000-11-15  
; PRIOR APPLICATION NUMBER: 60/081,143  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: PCT/US99/07639  
; PRIOR FILING DATE: 1999-04-08  
; PRIOR APPLICATION NUMBER: 09/679,933  
; PRIOR FILING DATE: 2000-10-05  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 6  
; LENGTH: 159  
; TYPE: PRT  
; ORGANISM: Brachyothecium oxycladon  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (110)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (134)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (137)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (149)..(150)  
; OTHER INFORMATION: Xaa = any amino acid  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (155)  
; OTHER INFORMATION: Xaa = any amino acid  
US-10-607-095-6

Query Match 100.0%; Score 31; DB 15; Length 159;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 138 LVHGKL 143

## RESULT 3

US-10-437-963-142376  
; Sequence 142376, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei

; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 142376  
; LENGTH: 235  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_43389C.1.pep  
US-10-437-963-142376

Query Match 100.0%; Score 31; DB 16; Length 235;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 94 LVHGKL 99

## RESULT 4

US-10-282-122A-49640  
; Sequence 49640, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49640  
; LENGTH: 341

; TYPE: PRT  
; ORGANISM: Burkholderia fungorum  
US-10-282-122A-49640

Query Match 100.0%; Score 31; DB 15; Length 341;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 309 LVHGKL 314  
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## RESULT 5

US-10-369-493-8425  
; Sequence 8425, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 8425  
; LENGTH: 374  
; TYPE: PRT  
; ORGANISM: Ralstonia metallidurans  
US-10-369-493-8425

Query Match 100.0%; Score 31; DB 15; Length 374;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 51 LVHGKL 56  
|||||

## RESULT 6

US-10-369-493-15399  
; Sequence 15399, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 15399  
; LENGTH: 374  
; TYPE: PRT  
; ORGANISM: Xanthomonas campestris  
US-10-369-493-15399

Query Match 100.0%; Score 31; DB 15; Length 374;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 51 LVHGKL 56  
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## RESULT 7

US-10-369-493-15767  
; Sequence 15767, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 15767  
; LENGTH: 374  
; TYPE: PRT  
; ORGANISM: Xanthomonas campestris  
US-10-369-493-15767

Query Match 100.0%; Score 31; DB 15; Length 374;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 51 LVHGKL 56  
|||||

## RESULT 8

US-10-369-493-16151  
; Sequence 16151, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 16151  
; LENGTH: 374  
; TYPE: PRT  
; ORGANISM: Xanthomonas campestris  
US-10-369-493-16151

Query Match 100.0%; Score 31; DB 15; Length 374;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
Db 51 LVHGKL 56  
|||||

## RESULT 9

US-10-282-122A-45263  
; Sequence 45263, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR FILING DATE: 2000-03-21

; PRIOR FILING DATE: 2000-05-23

; PRIOR FILING DATE: 2000-05-26

; PRIOR FILING DATE: 2000-09-06

; PRIOR FILING DATE: 2000-11-27

; PRIOR FILING DATE: 2001-02-16

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; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR FILING DATE: 2000-03-21

; PRIOR FILING DATE: 2000-05-23

; PRIOR FILING DATE: 2000-05-26

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; PRIOR FILING DATE: 2001-02-16

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; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|:|||||  
Db 1238 LVHGKL 1243

## RESULT 12

US-10-282-122A-73193  
; Sequence 73193, Application US/10282122A  
; Publication No. US20040023129A1

## GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITRA.034A

; CURRENT APPLICATION NUMBER: US/10/282.122A  
; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 73193

; LENGTH: 363

; TYPE: PRT

; ORGANISM: Salmonella paratyphi A

US-10-282-122A-73193

Query Match 96.8%; Score 30; DB 15; Length 363;

Best Local Similarity 83.3%; Pred. No. 4.6e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|:|||||  
Db 41 LVHGKL 46

## RESULT 13

US-09-815-242-10058

; Sequence 10058, Application US/09815242

; Patent No. US20020061569A1

## GENERAL INFORMATION:

; APPLICANT: Haselbeck, Robert

; APPLICANT: Ohlsen, Kari L.

; APPLICANT: Zyskind, Judith W.  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John D.  
; APPLICANT: Carr, Grant J.  
; APPLICANT: Yamamoto, Robert T.  
; APPLICANT: Xu, H. Howard  
; TITLE OF INVENTION: Identification of Essential Genes in  
; TITLE OF INVENTION: Prokaryotes

; FILE REFERENCE: ELITRA.011A

; CURRENT APPLICATION NUMBER: US/09/815,242

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; NUMBER OF SEQ ID NOS: 14110

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 10058

; LENGTH: 389

; TYPE: PRT

; ORGANISM: Escherichia coli

US-09-815-242-10058

Query Match 96.8%; Score 30; DB 9; Length 389;

Best Local Similarity 83.3%; Pred. No. 4.9e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|:|||||  
Db 65 LVHGKL 70

## RESULT 14

US-09-815-242-13894

; Sequence 13894, Application US/09815242

; Patent No. US20020061569A1

## GENERAL INFORMATION:

; APPLICANT: Haselbeck, Robert

; APPLICANT: Ohlsen, Kari L.

; APPLICANT: Zyskind, Judith W.

; APPLICANT: Wall, Daniel

; APPLICANT: Trawick, John D.

; APPLICANT: Carr, Grant J.

; APPLICANT: Yamamoto, Robert T.

; APPLICANT: Xu, H. Howard

; TITLE OF INVENTION: Identification of Essential Genes in

; TITLE OF INVENTION: Prokaryotes

; FILE REFERENCE: ELITRA.011A

; CURRENT APPLICATION NUMBER: US/09/815,242

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; PRIOR FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13894  
; LENGTH: 389  
; TYPE: PRT  
; ORGANISM: Salmonella typhi  
US-09-815-242-13894

Query Match 96.8%; Score 30; DB 9; Length 389;  
Best Local Similarity 83.3%; Pred. No. 4.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|:||||  
Db 65 LIHGKL 70

## RESULT 15

US-10-369-493-722  
; Sequence 722, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 722  
; LENGTH: 389  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-369-493-722

Query Match 96.8%; Score 30; DB 15; Length 389;  
Best Local Similarity 83.3%; Pred. No. 4.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
|:||||  
Db 65 LIHGKL 70

Search completed: February 24, 2005, 07:50:08  
Job time : 97.5 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 24, 2005, 07:27:43 ; Search time 16.8182 Seconds  
(without alignments)  
22.193 Million cell updates/sec

Title: US-09-856-050-19\_COPY\_36\_40

Perfect score: 29  
Sequence: 1 DDDK 5

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	100.0	5	1 US-07-816-679A-7	Sequence 7, Appli
2	29	100.0	5	1 US-08-137-496A-21	Sequence 21, Appl
3	29	100.0	5	1 US-08-131-365B-49	Sequence 49, Appl
4	29	100.0	5	1 US-08-275-370-26	Sequence 26, Appl
5	29	100.0	5	1 US-08-367-968-26	Sequence 26, Appl
6	29	100.0	5	1 US-08-294-434-2	Sequence 2, Appli
7	29	100.0	5	1 US-08-457-166-2	Sequence 2, Appli
8	29	100.0	5	1 US-08-200-900A-34	Sequence 34, Appl
9	29	100.0	5	2 US-08-665-484-26	Sequence 26, Appl
10	29	100.0	5	2 US-07-963-538B-11	Sequence 11, Appl
11	29	100.0	5	2 US-08-668-123-49	Sequence 49, Appl
12	29	100.0	5	2 US-08-595-043A-13	Sequence 13, Appl
13	29	100.0	5	2 US-09-016-366A-29	Sequence 29, Appl
14	29	100.0	5	2 US-08-595-868C-16	Sequence 16, Appl
15	29	100.0	5	2 US-08-481-435-41	Sequence 41, Appl
16	29	100.0	5	3 US-08-483-749A-33	Sequence 33, Appl
17	29	100.0	5	3 US-08-997-918-56	Sequence 56, Appl
18	29	100.0	5	3 US-08-997-532B-11	Sequence 11, Appl
19	29	100.0	5	3 US-08-888-381-5	Sequence 5, Appli
20	29	100.0	5	3 US-08-927-128-6	Sequence 6, Appli
21	29	100.0	5	3 US-09-020-880-37	Sequence 37, Appl
22	29	100.0	5	3 US-09-197-801-15	Sequence 15, Appl
23	29	100.0	5	3 US-09-551-028-15	Sequence 15, Appl
24	29	100.0	5	3 US-08-938-595-3	Sequence 3, Appli
25	29	100.0	5	3 US-08-727-153-3	Sequence 3, Appli
26	29	100.0	5	3 US-09-139-819A-16	Sequence 16, Appl
27	29	100.0	5	3 US-08-840-466A-26	Sequence 26, Appl

Sequence 14, Appl  
Sequence 3, Appli  
Sequence 37, Appl  
Sequence 29, Appl  
Sequence 26, Appl  
Sequence 16, Appl  
Sequence 14, Appl  
Sequence 143, App  
Sequence 14, Appl  
Sequence 14, Appl  
Sequence 39, Appl  
Sequence 6, Appli  
Sequence 9, Appli  
Sequence 27, Appl  
Sequence 16, Appl  
Sequence 58, Appl  
Sequence 34, Appl  
Sequence 9, Appli

## ALIGNMENTS

RESULT 1  
US-07-816-679A-7  
; Sequence 7, Application US/07816679A  
; Patent No. 5298599  
; GENERAL INFORMATION:  
; APPLICANT: Rezaie, Alireza  
; APPLICANT: Esmon, Charles T.  
; TITLE OF INVENTION: Expression and Purification of  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Kilpatrick & Cody  
; STREET: 100 Peachtree Street, Suite 3200  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: U.S.  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/816,679A  
; FILING DATE: 19920103  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/730040  
; FILING DATE: 12-JUL-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/292447  
; FILING DATE: 30-DEC-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/683682  
; FILING DATE: 10-APR-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: OMRF130  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 404-572-6508  
; TELEFAX: 404-572-6555  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: AMINO ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FEATURE:  
; NAME/KEY: Cleavage-site  
; LOCATION: 1..5  
; OTHER INFORMATION: /note= "Enterokinase Cleavage Site"  
US-07-816-679A-7

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 2  
US-08-197-496A-21  
; Sequence 21, Application US/08197496A  
; Patent No. 5480797  
; GENERAL INFORMATION:  
; APPLICANT: FRANCAVILLA, ANTONIO T.  
; APPLICANT: HAGIYA, MICHIO  
; APPLICANT: STARZL, THOMAS E.  
; TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR)  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CUSHMAN DARB & CUSHMAN  
; STREET: 1100 NEW YORK AVENUE, N.W.  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3918  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,496A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: SCOTT, WATSON T.  
; REGISTRATION NUMBER: 26,581  
; REFERENCE/DOCKET NUMBER: 6137/203420  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-861-3000  
; TELEFAX: 202-822-0944  
; TELEX: 6714627 CUSH  
; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-197-496A-21

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 3  
US-08-131-365B-49  
; Sequence 49, Application US/08131365B  
; Patent No. 5527690

; GENERAL INFORMATION:  
; APPLICANT: Brown, Michael S.  
; APPLICANT: Briggs, Michael R.  
; APPLICANT: Wang, Xiaodong  
; APPLICANT: Goldstein, Joseph L.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING  
; TO STEROL REGULATORY ELEMENT BINDING  
; TITLE OF INVENTION: PROTEINS  
; NUMBER OF SEQUENCES: 64  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: U.S.A.  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/131,365B  
; FILING DATE: 01-OCT-1993  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTSD:372/PAR  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (512) 418-3000  
; TELEFAX: (512) 474-7577  
; INFORMATION FOR SEQ ID NO: 49:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-131-365B-49

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 4  
US-08-275-370-26  
; Sequence 26, Application US/08275370  
; Patent No. 5550037  
; GENERAL INFORMATION:  
; APPLICANT: FRANCAVILLA, ANTONIO T.  
; APPLICANT: HAGIYA, MICHIO  
; APPLICANT: STARZL, THOMAS E.  
; TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR) : HUMAN  
; TITLE OF INVENTION: AND RAT  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CUSHMAN DARB & CUSHMAN  
; STREET: 1100 NEW YORK AVENUE, N.W.  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3918  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/275,370  
;; FILING DATE:  
;; CLASSIFICATION: 530  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: SCOTT, WATSON T.  
;; REGISTRATION NUMBER: 26,581  
;; REFERENCE/DOCKET NUMBER: 1140/204509  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 202-861-3000  
;; TELEFAX: 202-822-0944  
;; TELEX: 6714627 CUSH  
;; INFORMATION FOR SEQ ID NO: 26:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 5 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-08-275-370-26

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 5  
US-08-367-968-26  
; Sequence 26, Application US/08367968  
; Patent No. 5607844  
; GENERAL INFORMATION:  
; APPLICANT: FRANCAVILLA, ANTONIO T.  
; APPLICANT: HAGIYA, MICHIO  
; APPLICANT: STARZL, THOMAS E.  
; TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR): HUMAN  
; TITLE OF INVENTION: AND RAT  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CUSHMAN DARBY & CUSHMAN  
; STREET: 1100 NEW YORK AVENUE, N.W.  
; CITY: WASHINGTON  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3918  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/367,968  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KOKULIS, PAUL N.  
; REGISTRATION NUMBER: 16,773  
; REFERENCE/DOCKET NUMBER: 1140/215562  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-861-3000  
; TELEFAX: 202-822-0944  
; TELEX: 6714627 CUSH  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-367-968-26

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 6  
US-08-294-434-2  
; Sequence 2, Application US/08294434  
; Patent No. 5635371  
; GENERAL INFORMATION:  
; APPLICANT: Stout, Jay  
; APPLICANT: Wagner, Fred W.  
; APPLICANT: Coolidge, Thomas R.  
; APPLICANT: Holmquist, Barton  
; TITLE OF INVENTION: CHEMICAL METHOD FOR SELECTIVE  
; MODIFICATION OF THE N- AND/OR C-TERMINAL AMINO ACID  
; TITLE OF INVENTION: ALPHA-CARBON REACTIVE GROUP OF A RECOMBINANT  
; TITLE OF INVENTION: POLYPEPTIDE OR A PORTION THEREOF  
; NUMBER OF SEQUENCES: 15  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 3100 No. 5635371west Center  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/294,434  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/912,798  
; FILING DATE: 13-JUL-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Nelson, Albin J.  
; REGISTRATION NUMBER: 28,650  
; REFERENCE/DOCKET NUMBER: 8648.29-US01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 612-332-5300  
; TELEFAX: 612-332-9081  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-294-434-2

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 7  
US-08-457-166-2  
; Sequence 2, Application US/08457166  
; Patent No. 5656456  
; GENERAL INFORMATION:

APPLICANT: Stout, Jay  
APPLICANT: Wagner, Fred W.  
APPLICANT: Coolidge, Thomas R.  
APPLICANT: Holmquist, Barton  
TITLE OF INVENTION: CHEMICAL METHOD FOR SELECTIVE  
MODIFICATION OF THE N- AND/OR C-TERMINAL AMINO ACID  
TITLE OF INVENTION: ALPHA-CARBON REACTIVE GROUP OF A RECOMBINANT  
POLYPEPTIDE OR A PORTION THEREOF  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Merchant & Gould  
STREET: 3100 N. 5656456west Center  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/457,166  
FILING DATE: 13-JUL-1992  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/091,751  
FILING DATE: 07/09/1992  
APPLICATION NUMBER: US 07/912,798  
FILING DATE: 13-JUL-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Nelson, Albin J.  
REGISTRATION NUMBER: 28,650  
REFERENCE/DOCKET NUMBER: 8648.35-US-01  
TELEPHONE: 612-332-5300  
TELEFAX: 612-332-9081  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-457-166-2

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 8  
US-08-200-900A-34  
Sequence 34, Application US/08200900A  
Patent No. 5665566  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: CLONING OF ENTEROKINASE AND METHOD OF USE  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc. - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/200,900A  
FILING DATE: 23-FEB-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Meinerdt, Maureen C.  
REGISTRATION NUMBER: 31,544  
REFERENCE/DOCKET NUMBER: GI 5201-FWC  
TELEPHONE: (617) 876-1170 X8574  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-200-900A-34

Query Match 100.0%; Score 29; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

RESULT 9  
US-08-665-484-26  
Sequence 26, Application US/08665484  
Patent No. 5811397  
Patent No. 5811397 5780430  
GENERAL INFORMATION:  
APPLICANT: FRANCAVILLA, ANTONIO T.  
APPLICANT: HAGIYA, MICHIO  
APPLICANT: STARZL, THOMAS E.  
TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR)  
TITLE OF INVENTION: HUMAN AND RAT  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CUSHMAN DARBAY & CUSHMAN  
STREET: 1100 NEW YORK AVENUE, N.W.  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20005-3918  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/665,484  
FILING DATE: 12-JUN-1996  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/367,968  
FILING DATE: 03-JAN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: KOKULIS, PAUL N.  
REGISTRATION NUMBER: 16,773  
REFERENCE/DOCKET NUMBER: 1140/215562  
TELEPHONE: 202-861-3000  
TELEFAX: 202-822-0944  
TELEX: 6714627 CUSH  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5 amino acids

; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-665-484-26

Query Match 100.0%; Score 29; DB 2; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5  
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Db 1 DDDDK 5

RESULT 10  
US-07-963-538B-11  
; Sequence 11, Application US/07963538B  
; Patent No. 5851983

; GENERAL INFORMATION:

; APPLICANT: SUGIYAMA, TAKASHI

; APPLICANT: KAMIMURA, TAKASHI

; APPLICANT: MASUDA, KENICHI

; APPLICANT: OKADA, MASHIRO

; APPLICANT: OHTSUKA, EIKO

; APPLICANT: IMAIZUMI, ATSUSHI

; APPLICANT: WATANABE, KUNIHITO

; APPLICANT: SUGA, TETSUYA

; APPLICANT: MATSUMOTO, YOICHI

; APPLICANT: TAKEUCHI, AKIHO

; TITLE OF INVENTION: ELASTASE INHIBITORY POLYPEPTIDE AND

; PROCESS FOR PRODUCTION THEREOF BY RECOMBINANT GENE

; TECHNOLOGY

; NUMBER OF SEQUENCES: 36

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: COOLEY GODWARD LLP

; STREET: FIVE PALO ALTO SQUARE, 4TH FLOOR

; CITY: PALO ALTO

; STATE: CA

; COUNTRY: USA

; ZIP: 94306-2155

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/963,538B

; FILING DATE: 20-OCT-1992

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/843,359

; FILING DATE: 25-FEB-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/408,483

; FILING DATE: 22-AUG-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 4-212399

; FILING DATE: 17-JUL-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 4-212398

; FILING DATE: 17-JUL-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 3-355553

; FILING DATE: 24-DEC-1991

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 62-330219

; FILING DATE: 28-DEC-1987

; ATTORNEY/AGENT INFORMATION:

; NAME: NEELEY PH.D., RICHARD L.

; REGISTRATION NUMBER: 30,092

; REFERENCE/DOCKET NUMBER: TEJN-005/02US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-843-5070  
; TELEFAX: 415-857-0663  
; TELEX: 380816 COOLEY PA  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-963-538B-11

Query Match 100.0%; Score 29; DB 2; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5  
| | | | |  
Db 1 DDDDK 5

RESULT 11

US-08-668-123-49

; Sequence 49, Application US/08668123

; Patent No. 5891631

; GENERAL INFORMATION:

; APPLICANT: Brown, Michael S.

; APPLICANT: Briggs, Michael R.

; APPLICANT: Wang, Xiaodong

; APPLICANT: Goldstein, Joseph L.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING

; TO STEROL REGULATORY ELEMENT BINDING

; TITLE OF INVENTION: PROTEINS

; NUMBER OF SEQUENCES: 64

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White & Durkee

; STREET: P.O. Box 4433

; CITY: Houston

; STATE: Texas

; COUNTRY: U.S.A.

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/668,123

; FILING DATE: 14-JUN-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/131,365

; FILING DATE: 01-OCT-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Parker, David L.

; REGISTRATION NUMBER: 32,165

; REFERENCE/DOCKET NUMBER: UTSD:372/PAR

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (512) 418-3000

; TELEFAX: (512) 474-7577

; INFORMATION FOR SEQ ID NO: 49:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-668-123-49

Query Match 100.0%; Score 29; DB 2; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5

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Db 1 DDDDK 5
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RESULT 12
US-08-595-043A-13
; Sequence 13, Application US/08595043A
; Patent No. 5935824
; GENERAL INFORMATION:
; APPLICANT: SGARLATO, GREGORY D.
; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,043A
; FILING DATE: 31-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: SGAR-00371
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-595-043A-13

Query Match 100.0%; Score 29; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5
Db 1 DDDDK 5

RESULT 13
US-09-016-366A-29
; Sequence 29, Application US/09016366A
; Patent No. 5955431
; GENERAL INFORMATION:
; APPLICANT: Stevens, Richard L.
; APPLICANT: Huang, Chifu
; TITLE OF INVENTION: MAST CELL PROTEASE PEPTIDE
; TITLE OF INVENTION: INHIBITORS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02210-2211
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

Query Match 100.0%; Score 29; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5
Db 1 DDDDK 5

RESULT 14
US-08-595-868C-16
; Sequence 16, Application US/08595868C
; Patent No. 5962270
; GENERAL INFORMATION:
; APPLICANT: Wagner, Fred
; APPLICANT: Stout, Jay Dennis
; APPLICANT: Henriksen, Bruce
; APPLICANT: Partridge, Bruce
; APPLICANT: Holmquist, Bart
; APPLICANT: Frank, Julie
; TITLE OF INVENTION: RECOMBINANT PREPARATION OF CALCITONIN FRAGMENTS AND US
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 3100 No. 5962270west Center, 90 S. 7th Street
; CITY: Minneapolis
; STATE: MN
; COUNTRY: U.S.A.
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,868C
; FILING DATE: 06-FEB-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Carter, Charles G
; REGISTRATION NUMBER: 35,093
; REFERENCE/DOCKET NUMBER: 8648.59US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612/332-5300
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; TELEFAX: 612/332-9081  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
; ORIGINAL SOURCE:  
; US-08-595-868C-16

Query Match 100.0%; Score 29; DB 2; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
Db 1 DDDDK 5

## RESULT 15

US-08-481-435-41  
; Sequence 41, Application US/08481435  
; Patent No. 6027906  
; GENERAL INFORMATION:  
; APPLICANT: Balganes, Tanjore S  
; TITLE OF INVENTION: No. 6027906el Polypeptides  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: White & Case  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: United States  
; ZIP: 10036-2787  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/481,435  
; FILING DATE: 10-JUL-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: IN 580/MAS/94  
; FILING DATE: 01-JUL-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: SE 9404072-2  
; FILING DATE: 24-NOV-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sterner, Richard J.  
; REGISTRATION NUMBER: 35,372  
; REFERENCE/DOCKET NUMBER: 1103326-151  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 819-8783  
; TELEFAX: (212) 354-8113  
; INFORMATION FOR SEQ ID NO: 41:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acids  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-481-435-41

Query Match 100.0%; Score 29; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 4.1e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 DDDDK 5  
Db 1 DDDDK 5

Search completed: February 24, 2005, 07:34:52  
Job time : 17.8182 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 24, 2005, 07:32:00 ; Search time 80 Seconds  
(without alignments)  
20.453 Million cell updates/sec

Title: US-09-856-050-19\_COPY\_36\_40

Perfect score: 29

Sequence: 1 DDDDK 5

Scoring table: BLOSUM62

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Searched: 1380268 seqs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 8: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
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- 16: /cgn2\_6/ptodata/2/pubpaa/US10D\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	100.0	5	8	US-08-849-303-58
2	29	100.0	5	9	US-09-750-913-16
3	29	100.0	5	9	US-09-909-652-2
4	29	100.0	5	9	US-09-970-308-3
5	29	100.0	5	9	US-09-967-386-2
6	29	100.0	5	9	US-09-858-332-1
7	29	100.0	5	9	US-09-858-332-7
8	29	100.0	5	10	US-09-994-487-4
9	29	100.0	5	10	US-09-933-780C-14
10	29	100.0	5	13	US-10-124-557-143
11	29	100.0	5	14	US-10-137-351-14
12	29	100.0	5	14	US-10-119-235-4
13	29	100.0	5	14	US-10-158-742A-17

14	29	100.0	5	14	US-10-274-638-7	Sequence 7, Appli
15	29	100.0	5	14	US-10-328-813-9	Sequence 9, Appli
16	29	100.0	5	14	US-10-023-888-23	Sequence 23, Appli
17	29	100.0	5	14	US-10-082-747A-37	Sequence 37, Appli
18	29	100.0	5	14	US-10-205-110-26	Sequence 26, Appli
19	29	100.0	5	14	US-10-150-058-26	Sequence 26, Appli
20	29	100.0	5	14	US-10-024-597-7	Sequence 7, Appli
21	29	100.0	5	14	US-10-353-908-14	Sequence 14, Appli
22	29	100.0	5	15	US-10-375-913-46	Sequence 46, Appli
23	29	100.0	5	15	US-10-365-095-5	Sequence 5, Appli
24	29	100.0	5	15	US-10-256-551-26	Sequence 26, Appli
25	29	100.0	5	15	US-10-223-560-6	Sequence 6, Appli
26	29	100.0	5	15	US-10-633-698A-5	Sequence 5, Appli
27	29	100.0	5	16	US-10-240-430-13	Sequence 13, Appli
28	29	100.0	5	16	US-10-612-410-24	Sequence 24, Appli
29	29	100.0	5	16	US-10-778-423-2	Sequence 2, Appli
30	29	100.0	5	16	US-10-340-179-24	Sequence 24, Appli
31	29	100.0	5	16	US-10-340-179-33	Sequence 33, Appli
32	29	100.0	5	16	US-10-692-071-19	Sequence 19, Appli
33	29	100.0	5	16	US-10-746-149-34	Sequence 34, Appli
34	29	100.0	5	16	US-10-655-136-58	Sequence 58, Appli
35	29	100.0	5	16	US-10-762-588-12	Sequence 12, Appli
36	29	100.0	5	16	US-10-477-712B-58	Sequence 58, Appli
37	29	100.0	5	16	US-10-609-019-9	Sequence 9, Appli
38	29	100.0	6	9	US-09-884-767A-8	Sequence 8, Appli
39	29	100.0	6	13	US-10-066-209-7	Sequence 7, Appli
40	29	100.0	6	13	US-10-066-209-9	Sequence 9, Appli
41	29	100.0	6	15	US-10-378-707-12	Sequence 12, Appli
42	29	100.0	6	15	US-10-375-913-44	Sequence 44, Appli
43	29	100.0	6	16	US-10-678-816-4	Sequence 4, Appli
44	29	100.0	6	16	US-10-340-179-23	Sequence 23, Appli
45	29	100.0	6	16	US-10-865-978-41	Sequence 41, Appli

ALIGNMENTS

RESULT 1  
US-08-849-303-58  
; Sequence 58, Application US/08849303  
; Publication No. US20030221209A1  
; GENERAL INFORMATION:  
; APPLICANT: Atkinson, Howard J.  
; APPLICANT: McPherson, Michael J.  
; APPLICANT: Urwin, Peter E.  
; TITLE OF INVENTION: MODIFIED PROTEINASE INHIBITORS  
; NUMBER OF SEQUENCES: 79  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Klauber & Jackson  
; STREET: 411 Hackensack Avenue, 4th Floor  
; CITY: Hackensack  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07601  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/849,303  
; FILING DATE: 21-MAY-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jackson Esq., David A.  
; REGISTRATION NUMBER: 26,742  
; REFERENCE/DOCKET NUMBER: 1321-1-003  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-487-5800  
; TELEFAX: 201-343-1684  
; TELEX: 133521  
; INFORMATION FOR SEQ ID NO: 58:  
; SEQUENCE CHARACTERISTICS:

; LENGTH: 5 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
US-08-849-303-58

Query Match 100.0%; Score 29; DB 8; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
|||||

Db 1 DDDDK 5

RESULT 2

US-09-750-913-16  
; Sequence 16, Application US/09750913  
; Publication No. US20010031856A1  
; GENERAL INFORMATION:

; APPLICANT: WAGNER, Fred W.  
; STOUT, Jay S.  
; HENRIKSEN, Dennis B.  
; PARTRIDGE, Bruce E.  
; HOLMQUIST, Bart  
; FRANK, Julie A.

; TITLE OF INVENTION: RECOMBINANT PREPARATION OF CALCITONIN  
; FRAGMENTS AND USE THEREOF IN THE PREPARATION OF CALCITONIN  
; AND RELATED ANALOGS

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY & LARDNER  
; STREET: 3000 K Street, N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: U.S.A.

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/750,913

; FILING DATE: 12-Jan-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/139,819

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: BENT, Stephen A.

; REGISTRATION NUMBER: 29,768

; REFERENCE/DOCKET NUMBER: 089187/0144

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 672-5300

; TELEFAX: (202) 672-5399

; INFORMATION FOR SEQ ID NO: 16:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-09-750-913-16

Query Match 100.0%; Score 29; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
|||||

Db 1 DDDDK 5

RESULT 3

US-09-909-652-2

; Sequence 2, Application US/09909652

; Patent No. US20020025537A1

; GENERAL INFORMATION:

; APPLICANT: Kairos Scientific, Inc.

; APPLICANT: Eyllina, Edward J.

; APPLICANT: Coleman, William J.

; APPLICANT: Youvan, Douglas C.

; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR GENERATING

; FILE REFERENCE: 22346-7001

; CURRENT APPLICATION NUMBER: US/09/909,652

; CURRENT FILING DATE: 2001-10-15

; PRIOR APPLICATION NUMBER: US 60/219,179

; PRIOR FILING DATE: 2000-07-19

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Enterokinase recognition site

US-09-909-652-2

Query Match 100.0%; Score 29; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
|||||

Db 1 DDDDK 5

RESULT 4

US-09-970-308-3

; Sequence 3, Application US/09970308

; Patent No. US20020045193A1

; GENERAL INFORMATION:

; APPLICANT: BRIZZARD, BILLY L.

; APPLICANT: HERNAN, RON

; TITLE OF INVENTION: PURIFICATION OF RECOMBINANT PROTEINS FUSED TO MULTIPLE

; FILE REFERENCE: SGM 6933.2

; CURRENT APPLICATION NUMBER: US/09/970,308

; CURRENT FILING DATE: 2001-10-03

; PRIOR APPLICATION NUMBER: 09/415,000

; PRIOR FILING DATE: 1999-10-08

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 3

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:synthesized

; OTHER INFORMATION: sequence

US-09-970-308-3

Query Match 100.0%; Score 29; DB 9; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
|||||

Db 1 DDDDK 5

RESULT 5

## US-09-967-386-2

; Sequence 2, Application US/09967386  
; Patent No. US2002015992A1

## ; GENERAL INFORMATION:

; APPLICANT: Abbott Laboratories

; APPLICANT: Henkin, Jack

; APPLICANT: Davidson, Donald J.

; TITLE OF INVENTION: ANTIANGIOGENIC POLYPEPTIDES AND METHODS

; FILE OF INVENTION: FOR INHIBITING ANGIOGENESIS

; FILE REFERENCE: 6738.US.02

; CURRENT FILING DATE: 2001-09-26

; PRIOR APPLICATION NUMBER: US 60/236,550

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Enterokinase Cleavage Site

US-09-967-386-2

Query Match

Best Local Similarity

Matches

Score 29; DB 9; Length 5;

100.0%; Pred. No. 1.2e+06;

Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5

Db 1 DDDDK 5

|||||

RESULT 6

US-09-858-332-1

; Sequence 1, Application US/09858332

; Patent No. US20020164718A1

; GENERAL INFORMATION:

; APPLICANT: Tchaga, Grigory S.

; APPLICANT: Johhadze, George

; TITLE OF INVENTION: Metal Ion Affinity Tags and Methods for

; FILE OF INVENTION: Using the Same

; FILE REFERENCE: CLON056CIP

; CURRENT APPLICATION NUMBER: US/09/858,332

; CURRENT FILING DATE: 2002-07-02

; PRIOR APPLICATION NUMBER: 09/404,017

; PRIOR FILING DATE: 1999-09-23

; PRIOR APPLICATION NUMBER: 60/101,867

; PRIOR FILING DATE: 1998-09-25

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic peptide

US-09-858-332-1

Query Match

Best Local Similarity

Matches

Score 29; DB 9; Length 5;

100.0%; Pred. No. 1.2e+06;

Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5

Db 1 DDDDK 5

|||||

RESULT 7

US-09-858-332-7

; Sequence 7, Application US/09858332

; Patent No. US20020164718A1

; GENERAL INFORMATION:

## ; APPLICANT: Tchaga, Grigory S.

; APPLICANT: Johhadze, George

; TITLE OF INVENTION: Metal Ion Affinity Tags and Methods for

; FILE OF INVENTION: Using the Same

; FILE REFERENCE: CLON056CIP

; CURRENT APPLICATION NUMBER: US/09/858,332

; CURRENT FILING DATE: 2002-07-02

; PRIOR APPLICATION NUMBER: 09/404,017

; PRIOR FILING DATE: 1999-09-23

; PRIOR APPLICATION NUMBER: 60/101,867

; PRIOR FILING DATE: 1998-09-25

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic peptide

US-09-858-332-7

Query Match

Best Local Similarity

Matches

Score 29; DB 9; Length 5;

100.0%; Pred. No. 1.2e+06;

Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5

Db 1 DDDDK 5

|||||

RESULT 8

US-09-994-487-4

; Sequence 4, Application US/09994487

; Publication No. US2003009954A1

; GENERAL INFORMATION:

; APPLICANT: Miltenyi, Stefan

; APPLICANT: Kohler, Matthias

; TITLE OF INVENTION: Apparatus and method for modification of

; FILE OF INVENTION: magnetically immobilized biomolecules

; FILE REFERENCE: MILT004

; CURRENT APPLICATION NUMBER: US/09/994,487

; CURRENT FILING DATE: 2001-11-26

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 4

; LENGTH: 5

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: synthetic peptide

US-09-994-487-4

Query Match

Best Local Similarity

Matches

Score 29; DB 10; Length 5;

100.0%; Pred. No. 1.2e+06;

Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5

Db 1 DDDDK 5

|||||

RESULT 9

US-09-933-780C-14

; Sequence 14, Application US/09933780C

; Publication No. US20030229202A1

; GENERAL INFORMATION:

; APPLICANT: AVENTIS PHARMACEUTICALS INC.

; APPLICANT: GUO, Yong

; APPLICANT: MORSE, Clarence C

; APPLICANT: YAO, Zhengbin

; TITLE OF INVENTION: MEMBRANE PENETRATING PEPTIDES AND USES THEREOF

; FILE REFERENCE: HMR2053 PCT

; CURRENT APPLICATION NUMBER: US/09/933,780C

; CURRENT FILING DATE: 2001-08-21  
; PRIOR APPLICATION NUMBER: US 60/227,647  
; PRIOR FILING DATE: 2000-08-25  
; PRIOR APPLICATION NUMBER: GB 0103110.3  
; PRIOR FILING DATE: 2001-02-07  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 14  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic peptide  
US-09-933-780C-14

Query Match 100.0%; Score 29; DB 10; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
| | | | |  
Db 1 DDDDK 5

RESULT 10  
US-10-124-557-143  
; Sequence 143, Application US/10124557  
; Publication No. US20020137894A1  
; GENERAL INFORMATION:  
; APPLICANT: Turner, Katherine  
; Clark, Stephen C.  
; Jacobs, Kenneth  
; Hewick, Rodney M.  
; Gesner, Thomas G.  
; TITLE OF INVENTION: Megakaryocyte Stimulating Factors  
; NUMBER OF SEQUENCES: 143  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genetics Institute, Inc.  
; STREET: 87 CambridgePark Drive  
; CITY: Cambridge  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02140  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: 16-Apr-2002  
; APPLICATION NUMBER: US/10/124,557  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/643,502  
; FILING DATE: 18-JAN-1991  
; APPLICATION NUMBER: US 07/546,114  
; FILING DATE: 29-JUN-1990  
; APPLICATION NUMBER: US 07/457,196  
; FILING DATE: 29-DEC-1989  
; APPLICATION NUMBER: US 07/390,901  
; FILING DATE: 08-AUG-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Cserr, Luann  
; REGISTRATION NUMBER: 31,822  
; REFERENCE/DOCKET NUMBER: GI 5190  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 876-1170  
; TELEFAX: (617) 876-5851  
; INFORMATION FOR SEQ ID NO: 143:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown

; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 143:  
US-10-124-557-143

Query Match 100.0%; Score 29; DB 13; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
| | | | |  
Db 1 DDDDK 5

RESULT 11  
US-10-137-351-14  
; Sequence 14, Application US/10137351  
; Publication No. US2003006806A1  
; GENERAL INFORMATION:  
; APPLICANT: Ayal-Hershkovitz, Maty  
; APPLICANT: Pecker, Iris  
; APPLICANT: Yacoby-Zeevi, Oron  
; TITLE OF INVENTION: GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT  
; FILE REFERENCE: 02/23665  
; CURRENT APPLICATION NUMBER: US/10/137,351  
; CURRENT FILING DATE: 2002-05-03  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Enterokinase recognition and cleavage site  
US-10-137-351-14

Query Match 100.0%; Score 29; DB 14; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
| | | | |  
Db 1 DDDDK 5

RESULT 12  
US-10-119-235-4  
; Sequence 4, Application US/10119235  
; Publication No. US20030096760A1  
; GENERAL INFORMATION:  
; APPLICANT: Holt, Dennis A.  
; APPLICANT: Veber, Daniel F.  
; APPLICANT: Yamashita, Dennis S.  
; TITLE OF INVENTION: Method of Antagonizing the Human SRC SH2  
; FILE REFERENCE: P50630  
; CURRENT APPLICATION NUMBER: US/10/119,235  
; CURRENT FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: 1998-09-02  
; PRIOR FILING DATE: 1998-09-02  
; PRIOR APPLICATION NUMBER: 60/040,658  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 5  
; TYPE: PRT  
; ORGANISM: homo sapien  
US-10-119-235-4

Query Match 100.0%; Score 29; DB 14; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 DDDDK 5
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Db 1 DDDDK 5

RESULT 13
US-10-158-742A-17
; Sequence 17, Application US/10158742A
; Publication No. US20030104581A1
; GENERAL INFORMATION:
; APPLICANT: Hoess, Eva
; APPLICANT: Meier, Thomas
; APPLICANT: Pestlin, Gabriele
; APPLICANT: Popp, Friedrich
; APPLICANT: Reichert, Klaus
; APPLICANT: Schmuck, Rainer
; APPLICANT: Schneider, Bernd
; APPLICANT: Seidel, Christoph
; APPLICANT: Tischer, Wilhelm
; TITLE OF INVENTION: PROCESS FOR MAKING ANTIFUSOGENIC FUSION PEPTIDES THAT FORM
; TITLE OF INVENTION: INCLUSION ANTIBODIES
; FILE REFERENCE: 20904
; CURRENT APPLICATION NUMBER: US/10/158,742A
; CURRENT FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: EP 01114497.9
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE:
; SEQ ID NO 17
; TYPE: PRT
; LENGTH: 5
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: cleavage
; OTHER INFORMATION: sequence
US-10-158-742A-17

Query Match 100.0%; Score 29; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5
    |||||
Db 1 DDDDK 5

RESULT 14
US-10-274-638-7
; Sequence 7, Application US/10274638
; Publication No. US20030109000A1
; GENERAL INFORMATION:
; APPLICANT: Moore, Margaret D.
; APPLICANT: Fox, Brian A.
; TITLE OF INVENTION: DIMERIZED GROWTH FACTOR AND MATERIALS
; TITLE OF INVENTION: AND METHODS FOR PRODUCING IT
; FILE REFERENCE: 01-30
; CURRENT APPLICATION NUMBER: US/10/274,638
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: 60/346,117
; PRIOR FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: polypeptide, enterokinase cleavage site
US-10-274-638-7

Query Match 100.0%; Score 29; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;

Qy 1 DDDDK 5
    |||||
Db 1 DDDDK 5

RESULT 15
US-10-328-813-9
; Sequence 9, Application US/10328813
; Publication No. US20030113305A1
; GENERAL INFORMATION:
; APPLICANT: Osborne, William R.A.
; APPLICANT: Ramesh, Nagarajan
; TITLE OF INVENTION: Compositions and Methods for Treating Diabetes
; FILE REFERENCE: P-UW 3264
; CURRENT APPLICATION NUMBER: US/10/328,813
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US/09/185,852
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: 60/087,660
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: Sequence
US-10-328-813-9

Query Match 100.0%; Score 29; DB 14; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5
    |||||
Db 1 DDDDK 5

Search completed: February 24, 2005, 07:50:07
Job time : 81.5 secs
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